

ASSUMPTION COLLEGE

WINDSOR, ONT.

FACULTY OF ARTS

UNIVERSITY OF
WESTERN
ONTARIO



ANNOUNCEMENT
1948

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ASSUMPTION COLLEGE, WINDSOR, ONTARIO

General Information

For the last seventy - seven consecutive years the Basilian Fathers have guided the destinies of Assumption College; during the preceding fifteen years, the Jesuits, the Benedictines, and the laity under Mr. Theodule Girardot in turn attended the embryonic institution. The early years of Assumption saw it engaged primarily in educating young men for the priesthood. It still cherishes that role. Assumption is indeed proud of the unending line of graduates who have continued their studies for the priesthood. From the beginning, however, Assumption has not confined its work to that of a preparatory seminary; many lay leaders in all walks of life are numbered among its alumni.

Most fortunate has been the status of Assumption since 1919, when it began to share in the life of the University of Western Ontario. This affiliation with a great University has enabled Assumption to stand as a symbol of the finest traditions of secular and religious education.

The Fathers of St. Basil believe that education should make a man fit company for himself; that in the development of acute minds and sound bodies, the life of the spirit must not be kept under a bushel, but should freely shed its light over all reality. Aware that the problems of every age have spiritual roots, they would seek to discover and apply spiritual solutions, and not be content with superficial remedies that only add to the confusion. A sound education should not only fit a man to earn a decent living; it should fit him to lead a decent life. It is the aim of Assumption College as a Christian institution to bridge the gap in this troubled age of transition, by assimilating the best of modern culture, while conserving the wisdom and wholesome principles of the past, which are eternal. More than two thousand years of Jewish and Christian tradition have hallowed the blessed motto which the Basilian Fathers have upheld:

“Teach me Goodness, Discipline, and Knowledge”

—Psalm 118.

ASSUMPTION COLLEGE, WINDSOR, ONTARIO

1948	January	1948
S.	M.	T. W. T. F. S.
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4	5	6 7 8 9 10
11	12	13 14 15 16 17
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1948	February	1948
S.	M.	T. W. T. F. S.
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1948	March	1948
S.	M.	T. W. T. F. S.
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1948	April	1948
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1948	May	1948
S.	M.	T. W. T. F. S.
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16	17	18 19 20 21 22
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30	31

1948	June	1948
S.	M.	T. W. T. F. S.
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20	21	22 23 24 25 26
27	28	29 30

1948	September	1948
S.	M.	T. W. T. F. S.
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12	13	14 15 16 17 18
19	20	21 22 23 24 25
26	27	28 29 30

CALENDAR

January 12, Monday—
Second term begins.

March 24, Thursday—
Easter Vacation begins

March 29, Monday—
Lectures resume.

April 19, Monday—
Reading week begins.

April 26, Monday—
Examinations begin.

May 1, Saturday—
M.A. and M.Sc. theses due in
Registrar's Office.

May 31, Monday—
Annual Awards Night.

June 1, Tuesday—
Baccalaureate Ceremonies.

June 2, Wednesday—
Annual Convocation.

REGISTRATION: SEPT. 20 - 25.
Lectures begin Sept. 27.

Officers of Administration

- J. H. O'LOANE, C.S.B., M.A., President.
E. C. LEBEL, C.S.B., M.A., First Councillor, Dean.
F. A. BROWN, C.S.B., M.A., Second Councillor.
J. F. MURPHY, C.S.B., Ph. D., Registrar.
R. S. WOOD, C.S.B., B.A., Treasurer.

Officers of Instruction

- / TULLIO ALESSI, M.Sc.
SCIENCE
THOMAS ADAMS, B.A.
ENGLISH
/ DESIRE BARATH, Ph.D.
PSYCHOLOGY
/ FRANCIS L. BURNS, C.S.B., Ph.D.
ECONOMICS
* C. P. J. CROWLEY, C.S.B., M.A.
ENGLISH
/ ROBERT CUMMINGS, M.Sc.
BIOLOGY
/ FRANK DE MARCO, M.A. Sc.
ENGINEERING
EDWIN FLECHE, B.A.
HISTORY
/ F. D. FLOOD, C.S.B., M.A., B.L.S.
LIBRARIAN
/ PATRICK FLOOD, M.A.,
PHILOSOPHY
/ EDWIN C. GARVEY, C.S.B., Ph.D.
PHILOSOPHY
JOSEPH M. GRAHAM, B.A.
ENGLISH
/ ALEXANDER GRANT, C.S.B., M.A.
BIOLOGICAL SCIENCES
/ A. L. HIGGINS, C.S.B., M.A., LL.D.
RELIGION
/ GILBERT R. HORNE, M.A.
ECONOMICS
/ J. M. HUSSEY, C.S.B., M.A.
PSYCHOLOGY
/ HUGH KENNER, M.A.
ENGLISH
MARC. A. LAFRAMBOISE, M.A.
MATHEMATICS
/ LEWIS BURTON LAUGHLIN, B.A.
REFERENCE LIBRARIAN

* On leave 1947-48.

Officers of Instruction

/ EUGENE CARLYLE LEBEL, C.S.B., M.A.
ENGLISH

* EDWARD G. LEE, C.S.B., M.A.
ENGLISH

/ J. F. MALLON, C.S.B., M.A.
SPANISH AND FRENCH

FRANCIS MENICHETTI, B.M., M.M.
MUSIC

MAURICE J. MULLIGAN, M.A., F.C.I.C.
CHEMISTRY

*DANIEL J. MULVIHILL, CSB., M.A.
HISTORY

/ JOHN F. MURPHY, C.S.B., Ph.D.
ENGLISH

/ J. STANLEY MURPHY, C.S.B., M.A.
CHRISTIAN CULTURE SERIES
ENGLISH

/ NORMAN J. MURPHY, C.S.B., M.A.
HISTORY

/ WILLIAM F. NIGH, C.S.B., M.A.
MATHEMATICS

/ JOHN H. O'LOANE, C.S.B., M.A.
RELIGION

EUGENE S. PAULUS, B.A.
SPEECH EDUCATION

F. S. RUTH, C.S.B., B.A.
PHYSICS

/ J. P. RUTH, C.S.B., M.A.
MATHEMATICS

/ JAMES J. SLAVIN, C.S.B., B.A.
SPANISH

/ PETER E. SWAN, C.S.B., Ph. D.
PHILOSOPHY

/ JOSEPH TRUANT, B. Sc. A.
SCIENCE

/ THOMAS J. VAHEY, C.S.B., M.A.
CLASSICS

FRANK WALSH, C.S.B., B.A.
RELIGION

JOHN A. WARREN, C.S.B., M.A.
FRENCH

/ ARTHUR J. WEILER, C.S.B., B.A.
GERMAN

* On leave 1947-48.

RE-ESTABLISHMENT OF EX-MEMBERS OF THE SERVICES

The Minister of Pensions and National Health has the authority under Order-in-Council 5210 to approve, under one of the three following categories, training, including maintenance grant and fees (together with appropriate allowances for dependents), for ex-members of the forces:

- I. Vocational, Technical and other Educational Training: refresher courses or courses leading to high school graduation or matriculation, subject to the following restrictions;
 - (a) the courses must be **accepted by the Minister** as being training which will fit the student or keep him fit for employment or re-employment or will enable him to obtain better or more suitable employment;
 - (b) the student's progress in the courses must **satisfy the Minister**;
 - (c) the training is determined by the length of a man's service in the forces, with a maximum of twelve months.
- II. University, Undergraduate: any discharged person who
 - (a) has been regularly admitted to a university before his discharge and resumes within one year and three months after discharge a course, academic or professional, interrupted by his service; or
 - (b) becomes regularly admitted to a university and commences any such course within one year and three months after his discharge; or
 - (c) for any reason **satisfactory to the Minister** delays resumption or commencement of such course beyond the aforementioned periods.

The opportunity for university training is governed by the length of service. Where progress is satisfactory, the

assistance may be continued for as many months, in university, as the man served in the Forces. If the student's progress and attainments in his course are such that the Minister deems it in his interest and in the public interest, the payment of the grant may be extended beyond the period of service to permit the man to complete his course.

However, the grants shall not be continued to any person who fails in more than six credits, two full courses, in any academic year nor to any person who having failed in the six credits or less, also fails in the supplemental examinations next offered by the university in the courses failed.

III. University, Post-Graduate; any discharged person who

- (a) has entered upon a post-graduate course, either academic or professional, in a university before enlistment, or was about to do so at the time of his enlistment, or having completed his undergraduate course in a university after his discharge, enters upon a post-graduate course as aforesaid, and
- (b) resumes or commences such post-graduate course within
 - i. one year from his discharge, or
 - ii. one year from the commencement, next following his discharge, of such course in such university, if his discharge precedes such commencement by not more than three months, or
 - iii. in the case of a discharged person who completes his undergraduate course after his discharge, as soon as may be after such completion.

But the Minister after examining the student's past academic performance and the course to be undertaken or resumed, **must approve** as a matter of public interest the student's pursuing this course. The payments will be for as many months as the student has served in the forces, but

the period of assistance may be extended if the progress and achievements of the student are so outstanding that it is deemed in the public interest that the grant should be continued.

Grants. A "grant" under the provisions of Sections, I, II, III, above means \$60.00 per month in the case of an unmarried person and ~~\$50.00~~ ⁴⁹ per month in the case of a married person, together with, in either case, such additional monthly allowance for dependents, if any, as provided below, and, in either case, reduced by such amount on account of any pension, wages, salary or other income such person may have received or be entitled to receive in respect of the period for which such grant is paid, as to the Minister seems right.

Additional allowance for person in lieu of wife	\$20.00	30.00
Additional allowance for one child.....	12.00	18.00
Additional allowance for second child	12.00	14.00
Additional allowance for third child	10.00	12.00
Additional allowance for each subsequent child not in excess of three.....	8.00	10.00
Additional allowance for parent or parents.....	15.00	25.00

AMERICAN VETERANS

Assumption College was approved in August, 1945, for American Veterans. For arrangements under "The G.I. Bill of Rights" consult the Registrar.

Tuition and Fees

First Registration (Paid only by new registrants)\$	5.00
Annual University Fee (paid by all full-time students)	25.00
* Tuition Fees (paid by all full-time students)	140.00
Examination Fee (paid by all full-time students)	10.00
Student Council and Publication Fee	10.00
Athletic Fee	10.00
Library Fee	7.50
Microscope Fee	5.00
Laboratory Fee (each science)	5.00
Caution Fee refundable at end of year	5.00
Graduation Fees:	
B. A. Degree	10.00
M. A. Degree	20.00
Diploma	5.00
** Board and Semi-private room	350.00
Laundry for Resident Students (if desired)	30.00

*For students from centres other than those served by the University of Western Ontario, the tuition fee may be doubled.

** Subject to change with a month's notice.

All fees are payable in Canadian Funds.

SPECIAL NOTICE

A limited number of freshmen students may be accommodated in residence (with linen and bedding supplied). For others, an approved list of rooming houses is available. Meals may be taken in the College Cafeteria.

Regulations

ADMISSION

CANADIAN—ONTARIO STUDENTS

Candidates seeking admission must present to the Registrar at least two weeks before the opening of the session they wish to attend, an official statement of the marks on which their certificates were awarded. For the evaluation of other than Ontario certificates a fee of \$2.00 is charged. This sum must accompany the certificates, and is not returnable.

(A) Grade XII Certificates

A candidate will be admitted to the first year of the General Course in Arts on presentation of a Secondary School Graduation Diploma (or equivalent), showing satisfactory completion of the following Grade XII subjects:

- I. English.
History.
 - II. Latin or Mathematics.
 - III. Two of Mathematics.
Latin.
French.
German.
Spanish or Italian.
Greek.
Science or Agriculture
 - IV. One of Home Economics.
Shopwork.
Commercial Work.
Geography.
Defence Training.
Art.
Option from III not previously chosen.
- No Option may be counted more than once.

(B) Grade XIII Certificates

A candidate presenting Grade XIII certificates or the equivalent in at least four non-science subjects (not papers).

together with the full requirements of "A" above, will receive sufficient credit thereon to enable him to reduce the normal length of his course by one year.

The Grade XIII subjects are:

English (Literature and Composition).
Mathematics (Algebra, Geometry, Trigonometry).
History.
Latin.
Greek.
French
German.
Spanish.
Italian.
Physical Science (Physics and Chemistry).
Biology (Botany and Zoology).

Examinations in these Grade XIII subjects are conducted by the Department of Education at various centres in the Province of Ontario in June of each year.

A candidate is allowed to write on one or more Grade XIII subjects at a time, in any order.

PERCENTAGES

In order to secure First Class Honors in a subject a candidate must obtain at one examination at least seventy-five per cent. of the marks assigned to that subject, and at least fifty per cent. on each paper of that subject; the minimum for Second Class Honors, is sixty-six per cent., and for Third Class Honors sixty per cent., other conditions being the same as for First Class.

A candidate who fails to obtain First, Second or Third Class Honors, under the above regulations, may still secure credit in a subject by obtaining at least fifty per cent. on each paper of the subject, not necessarily at one examination.

EQUIVALENT EXAMINATIONS

Certificates of having passed Secondary School subjects parallel to Grade XII or Grade XIII subjects named above may be accepted *pro tanto*, provided always that the standards of these certificates meet the requirements of this University.

The senior local examinations conducted by the University of Oxford and by the University of Cambridge may be accepted instead of Grade XIII (Upper School) standing in the same subjects.

ADVANCED STANDING—FROM COLLEGIATES

Candidates presenting Grade XIII certificates in Ancient or Modern Languages, or History, or Mathematics, or the recognized equivalents of such certificates, may be credited with the corresponding subjects in the Junior Groups. For Sciences special regulations obtain.

CANADIAN AND AMERICAN

All applications for advanced standing, except on certificates indicated above, must be accompanied by official certificates from the institution where work has been done, and be presented to the Registrar by September 10, if possible.

STUDENTS FROM OTHER PROVINCES SHOULD CONSULT THE REGISTRAR.

AMERICAN

Graduates of accredited High Schools will be admitted to the Freshman class upon proper certification of their record by the Principal on a *form which must be secured* from the Registrar, Assumption College. The record must show a definite recommendation by the Principal of the applicant's fitness to pursue college work.

ADULT SPECIAL STUDENTS

Students who are over twenty-one years of age, though they may not be able to present qualifications for admission to candidacy for degrees, may be admitted to classes in the Faculty of Arts of the University, if, in the opinion of the professors in charge, they are qualified to pursue satisfactorily the courses chosen. Such special students must satisfy the professors in regard to regular attendance and attention to the work of their classes. They will not be allowed to advance from year to year in a department without taking the regular examinations.

TERM WORK

In all subjects of the General Course, except the sciences, the ratio of term-work marks to examination marks is as 50 to 100. To pass, a student must obtain 50 percent of the whole of a subject, with 50 per cent in term work and 50 per cent in examinations. In the sciences the ratio of term-work marks to examination marks is determined by the teaching staff in each subject.

In Honour Courses the ratio of term-work marks to examination marks is determined by the teaching staff in the subjects involved.

Term-work in a course will not be credited to a student beyond the year in which the course is taken.

A student who for two consecutive years has failed to obtain credit in one-half the work for which he has registered each year will be automatically dropped from the University. He may not re-register.

SUPPLEMENTALS

A supplemental examination is one set on work in which a student has been conditioned. These examinations will be held in August for those who have been conditioned in the first term or in the second term or in the work of the whole year in any course. (See second paragraph under Failures).

Supplemental examinations will not be allowed any student in more than four credits of work.

Students conditioned at the May examinations should attempt to remove their conditions at the supplemental examinations of the next August.

Students whose grade is F in any course may not write a supplemental. They must repeat the course in class.

No supplemental examination will be allowed in Honour subjects except those offered as options by General Course students to complete the requirements or their courses.

SPECIAL EXAMINATIONS

No General Course students may write special examinations on more than four credits of work in one academic year (July 1-June 30), or within ninety days of the failure.

An Honour Course student may not write a special examination in any academic year if he has failed in more than one Honour examination paper, or has obtained less than 35 marks.

FAILURES

A student who fails at any mid-year examination in one-half of his registered credits may be dropped from the University for the second term of the year, but he may re-register for the following winter session. No credit will be given for the part of the work successfully carried in the first term.

A student who fails to obtain a passing grade in the regular or supplemental examinations in a course will not be eligible for re-examination without a further year's at-

tendance at the lectures in the course in which he has failed. **The student must repeat that course the year after failure no matter what subject or subjects must be postponed.**

A student may repeat no single course oftener than once.

Subjects which depend directly upon the work of the preceding year may not be taken by a student who has failed in the work of the preceding year. The interpretation and application of this rule rests with the Committee on Academic Standing.

A student who, at the close of the August supplementals, has not obtained standing in at least two-thirds of the credits of his year will not rank academically as a student of the next higher year.

A student who for two consecutive years has failed to obtain credit in one-half of the work for which he has registered each year will be automatically dropped from the University. He may not re-register.

No work may be taken in the Senior Group until the work of a Junior Group has been completed.

A student in an Honour Course, who for two successive years averages below third class in his Honour subjects or who gets no rating above D in the honour subjects of a year, shall be automatically transferred to the General Course, subject to such conditions and limitations as the Committee of Academic Standing may impose.

A candidate in an Honour Course who, at the examination for the degree of Bachelor of Arts, fails to obtain the requisite average for Honours may, on the recommendation of the Committee on Academic Standing, be awarded a degree in the General Course. The candidate may write a subsequent examination for the Honour degree.

ATTENDANCE AT LECTURES

First and second year students who have attended less than 80 per cent. of the lectures in a course for any term shall be debarred from taking the regular examinations on that course. This rule holds for all courses numbered in the tens or the twenties or the two hundreds regardless of the year of a student's registration in the University.

A student, to be eligible for a degree, must have attended classes in this University for two academic years or for one academic year and two summer schools or for six summer schools.

No registration of any student for any year is complete until the prescribed physical examination has been taken.

THE M. A. DEGREE

A candidate must be a graduate in Arts of this or some other accredited university. A graduate in an Honour Course must have obtained at least Second Class Honours (66%) in the third and fourth years of his course. A graduate in a General Course must have obtained in the last two years of his course 66% of the aggregate possible marks and not fallen below 60% in more than six credits. He must subsequently bring his standing up to that of a graduate in an Honour Course by completing in residence with an average of 66% one year's work of a minimum of sixteen credits, the distribution of which shall be at the discretion of the Dean and the heads of the departments concerned. This year does not satisfy the attendance requirement (mentioned below) imposed on all candidates for the degree of Master of Arts.

Graduates of accredited universities before being accepted as candidates for the degree of Master of Arts in this University must furnish to the Registrar official evidence that they have obtained the degree of B.A., and that their standing in the third and fourth years of their courses corresponds to the standard laid down in the preceding paragraph.

A candidate for the Master of Arts degree who is a graduate in an Honour Course, or a candidate who is a graduate in a General Course and has subsequently fulfilled the requirements laid down in paragraph one, must spend a minimum of one year in residence study. Further detailed information on M.A. work can be obtained by writing to The Registrar.

GENERAL

When a student begins a foreign language in the University, no credit toward a degree will be given for the first year of that language unless that year is followed by a second year in the same language. Credit towards a degree in preparatory Greek will not be given unless it is supplemented by at least two other years of Greek, either New Testament or Classical.

A course that is optional need not be given unless it is elected by at least five students.

A student may take only three credits more than the number required for the academic year in which he is registered. Permission to take more than three extra credits may be given by the Committee on Academic Standing.

Requirements for Degrees

All students, on entering the Faculty of Arts and Sciences, will register in one of the following courses:

- a JUNIOR GROUP 1—Leading to Senior Group A, for General Course degree, with Science options, or to Honor Mathematics or Honor Science courses.
- b JUNIOR GROUP 2—Leading to Senior Group B, or Journalism, for General Course degree, or to Honor Business Administration, Honor Business Administration and Secretarial Science, Honor Economic and Political Science, Honor Social Science.
- c JUNIOR GROUP 3—Leading to Senior Group B, for General Course degree, or to Honor English Language and Literature, Honor English and French, Honor English and Latin, Honor History.
- d JUNIOR GROUP 4—Leading to Senior Group B, for General Course degree, or to Honor Classics, Honor French and German, Honor French and Latin, Honor French and Spanish.

GENERAL COURSE

Requirements for Admission: Secondary School Graduation Diploma.

ADVANCED STANDING

Credit will be allowed for certificates in Grade XIII English (10, 11), Algebra (Math. 10), Geometry (Math. 12), Trigonometry (Math. 18), Latin (10), Greek (10), French (10), German (10 or 35), History (14), Spanish (10), Botany and Zoology (Biological Science 11), Physics and Chemistry (Physical Science 11). A minimum average of III Class is required to cancel Biological Science 11 or Physical Science 11; credit will not be allowed for one of the two papers involved. At least one science course, with laboratory, must be taken in the University.

Each Junior Group is a two-year program from Grade XII (High School Graduation).

JUNIOR GROUP 1

This group is a prerequisite for all the Honor Science courses and for Honor Mathematics and Physics including Radio Physics.

SUBJECT	CREDITS
English 10, 11, 19, 20, 21	7
French 10 or German 10	3
Library Science 10a	1½
Mathematics 10, 12, 18	4½
Physical Education 10	1
FIVE OF:	
Botany 10	3
Chemistry 10	3
Geology 10	3
Mathematics 24	4
Physics 10	3
Zoology 10	3

JUNIOR GROUP 2

The Honor Courses for which Junior Group 2 is a prerequisite are Business Administration, Business Administration and Secretarial Science, Economic and Political Science, Philosophy and Psychology, and Social Science. It is also the prerequisite for Journalism.

SUBJECT	CREDITS
English 10, 11, 19, 20, 21	7
Library Science 10a	1½
Mathematics 10, 12, 18 (any two) or Latin 10	3
Physical Education 10	1
Business 20	3
Economics 20	3
Psychology 20	3
Biological or Physical or Geological Science II	3

Two languages, or one language and one science from: German 1, Greek 1, Spanish 1, French 10, German 10, Greek 10, Latin 10, (or 20), Spanish 10, Applied Biology 23, Geology 10, Zoology 20 or 26 7 or 6

One of: German 10, Greek 10, Spanish 10, French 20, German 20, Latin 20 or 30, Greek 20, Spanish 20 3

Note:—For Journalism, History 14 is permissible instead of Business 20. For Honor Philosophy and Psychology and for Honor Social Science, students should elect History 20 instead of Business 20, and Biological Science 11 rather than Physical Science 11.

JUNIOR GROUP 3

This Group is a prerequisite for Honor English Language and Literature, for Honor History, for Honor English and French, and for Honor English and Latin. For these courses, except History, Latin 10 and 20 must be elected.

SUBJECT	CREDITS
English 10, 11, 19, 20, 21	7
Library Science 10a	1/2
Mathematics 10, 12, 18 (any two), or Latin 10	3
Physical Education 10 or 11	1
History 14, 20	6
Biological or Physical or Geological Science II	3

Two of: Greek 1, German 1, Spanish 1, French 10, German 10, Greek 10, Latin 10 (or 20), Spanish 10 6

Two of: German 10, Greek 10, Spanish 10, French 20, German 20, Latin 20 (or 30), Greek 20, Spanish 20 6

JUNIOR GROUP 4

This Group is a prerequisite for Honor Classics, French and German or Spanish, French and Latin. For these courses Latin 10 and 20 must be chosen.

SUBJECT	CREDITS
English 10, 11, 19, 20, 21	7
Library Science 10a	1/2
Mathematics 10, 12, 18 (any two), or Latin 10	3
Physical Education 10 or 11	1
Biological or Physical or Geological Science II	3

Three of: Greek 1, German 1, Spanish 1, French 10, German 10, Greek 10, Latin 10 (or 20), Spanish 10 9

Three of: Greek 10, German 10, Spanish 10, French 20, German 20, Greek 20, Latin 20 (or 30), Spanish 20 9

SENIOR GROUPS

To graduate in either of the groups below, a student must secure at least Grade C in one-half the credits of his group and a passing mark (Grade D) in the rest. Courses previously counted cannot be given credit again in a Senior Group; an equal number of credits must be substituted for them.

GROUP A

This group is open to any student who has completed Junior Group 1 or the equivalent.

SUBJECT	CREDITS
Psychology 20 or 30	3
Physical Education 20 or 21	1
English 30, 36, 38, 40, 45 (any two)	6
History 45, 46	3
Economics 20, 30b	4½
At least 3 credits from History 31, 33, 44; Psychology 36, 39, 48	3
At least 15 credits from:	15
Applied Biology 23, 40;	
Botany 22b, 23a, 31a, 36b, 43;	
Chemistry 22, 33, 44, 46a, 46b;	
Geology 10;	
Geography 20, 35, 45;	
Physics 21;	
Zoology 20, 26;	
Mathematics 24, 29a.	

GROUP B

This group is open to any student who has completed Junior Group 2, 3, or 4.

SUBJECT	CREDITS
Psychology 20x or Philosophy 30x	3
Biological or Physical or Geological Science II	3
Physical Education 20	1
English 30, 36, 38, 40, 45 (any two)	6
History, 6 credits from 20, 31, 33a, 36, 44, 45, 46	6
At least 9 credits (which must include Economics 20, if not previously taken, and 42b) from:	9
Economics 20, 28, 30a, 32a, 32b, 33, 35a, 37a, 37b, 38a, 39a, 42b, 46, 47b, 48a, 49b, 259;	
Philosophy 30x, 31x, 37x, 41xa, 41xb, 42xa, 42xb, 43xa, 43xb; 45xa, 45xb, 46xa, 46xb, 48x;	
Psychology 35x, 36x, 37xa, 37xb, 38, 49x;	
Religious Knowledge 20x, 21x, 30x, 40x;	
Geography 20, 35, 45;	
Music 10, 20.	
At least 6 credits from:	6
(a) Latin 20, 30, 39, 40;	
Greek 10, 20, 29, 30, 40;	
French 20, 30, 33, 39, 40, 43, 271, 381, 491;	
German 20, 30, 31, 39, 40, 41;	
Spanish 10, 20, 30, 31, 39, 40, 41;	
(b) Mathematics 10, 12, 18, 24, 29a;	
(c) Senior Group courses, not already counted, in Economics, English, History, Philosophy, Psychology, Religious Knowledge.	

***For Honour Courses in
English Language and Literature
Economics and Political Science
History, Social Science, Etc.
Consult Registrar***

Philosophy and Psychology

First Year

One year's work in any Junior Group. Admission to the Sophomore Year in Honor Philosophy is subject to approval by the Registrar and the Department of Philosophy.

Second Year

Subject	Credits
English 20	2
English 21	1
Physical Education 21	1
Psychology 20x	3
Philosophy 231x	2
Philosophy 237x	2
Philosophy 250x	1
One Foreign Language 20	3
At least 5 credits from options approved by the Registrar and the Department	5

Third Year

English option	3
Psychology 36x	2
9 credits from these Philosophy courses: 234xb, 237x, 340x, 341xa, 341xb, 342xa, 342xb, 343xa, 343xb, 444xa, 444xb, 445xa, 445xb, 446xa, 446xb, 447x, 448x, 449x, 350x, 450x	9
At least 3 credits from options approved by the Registrar and the Department	3

Fourth Year

English option	3
12 credits in Philosophy not taken in Junior Year	12
At least 3 credits from options approved by the Registrar and the Department	3

II -- Pre-Engineering

ENTRANCE REQUIREMENTS: Canadian students must present certificates of complete Pass Junior Matriculation. American students of accredited High Schools will be admitted upon proper certification of their record by the Principal. This record must show a definite recommendation by the Principal of the applicant's fitness to pursue college work. No student will be accepted whose average in Mathematics and the Sciences is lower than "B". Students who have not a High School credit in Solid Geometry must remove this deficiency in their Freshman year.

Freshman Year

FIRST SEMESTER	Lectures	Lab.	Semester Credits
Religion E11x	2	0	2
English 10, 11, 19	4	0	4
Chemistry E10	4	6	4
Mechanical Drawing E-1	1	6	2
Math. 18 (Trigonometry)	3	0	3
Math. 10 (Algebra)	3	0	3
Slide Rule E-12	1	0	1
SECOND SEMESTER			
Religion E.11x	2	0	2
English 10, 11, 19	4	0	4
Chemistry E-10	4	6	4
Math. 12 (Analytic Geometry)	3	0	3
Descriptive Geometry E-10	1	9	3

Sophomore Year

FIRST SEMESTER	Lectures	Lab.	Semester Credits
Religion E21x	2	0	2
English 21, 31	3	0	3
Math. 24	4	0	4
Physics 10	2	3	3
Physics E10	2	3	3
Mechanical Drawing E20	1	9	3
Chemistry E-12a or	2	3	3
Surveying E-22a	2	3	3

SECOND SEMESTER

Religion E21x	2	0	2
English 21, 31	3	0	3
Math. 24	4	0	4
Physics 10	2	3	3
Physics E-10	2	3	3
Chemistry E12b or	2	3	3
Surveying E-22b	2	3	3

Note 1—Chemical and mechanical engineering students will take Chemistry E-12; civil and architectural engineering students will take Surveying. Others have an option between the two.

Note 2—All Catholic students will take the Religion courses. Non-Catholic students will substitute a philosophy option.

B.A. Degree for Science Teachers, Pre-Medical and Pre-Dental Students

This course enables a student to qualify for teaching science in schools. It also includes all the necessary courses for pre-medical and pre-dental students. It is strongly recommended by Medical and Dental schools that the prospective student obtain a degree before making application to their colleges.

Freshman Year

FIRST SEMESTER	Canadian Credit Hours	American Credit Hours
Zoology 10	1½	3
Botany 10	1½	3
English 10, 11, 19	2	3
German 1	1½	3
Religious Knowledge 11x	1	2
Physical Education 11	½	1
Algebra 10a	1½	3
Total	9½	Total 19

SECOND SEMESTER

Zoology 10	1½	3
Botany 10	1½	3
English 10, 11, 19	2	4
German 1	1½	3
Religious Knowledge 11x	1	2
Analytic Geometry 12b	1½	3
Trigonometry 18	1½	3
Physical Education 11	½	1
Total	11	Total 22

Sophomore Year

FIRST SEMESTER	Canadian Credit Hours	American Credit Hours
Elementary Principles of Genetics 26a....	2	3
Chemistry 10	1½	3
English 20, 21	1½	3
German 10	1½	3
Physics 10	1½	3
Religious Knowledge 21x	1	2
Physical Education	½	1
Total	10½	Total 20

SECOND SEMESTER

E1. Principles of Genetics 26b	2	3
Chemistry 10	1½	3
Physics 10	1½	3
German 10	1½	3
English 20, 21	1½	3
Religious Knowledge 21x	1	2
Physical Education 21	½	1
Total	9½	Total 18

Junior Year

FIRST SEMESTER	Canadian Credit Hours	American Credit Hours
General Histology 554a	1½	3
Comparative Vertebrate 31	2¼	3
Quantitative Chemistry 22	1½	3
General Physics 21 (E 10)	1½	3
English 30, 36, 38 or 45	1½	3
Mathematics 24	1½	3
Religious Knowledge 30x	1	2
Total	10¾	Total 20

SECOND SEMESTER

Advanced Histology 544b	1½	3
Comparative Vertebrate 31	2¼	3
Quantitative Chemistry 22	1½	3
Mathematics 24	1½	3
General Physics 21 (E-10)	1½	3
English, 30, 36, 38, 40, 45	1½	3
Religious Knowledge 30x	1	2
Total	10¾	Total 20

Senior Year

FIRST SEMESTER	Canadian Credit Hours	American Credit Hours
Vetebrate Embryology 544	1½	3
Zoology 357 or Botany 23a	2	4
or		
Zoology 357 or Botany 23a	2	4
or Botany 22b		
Chemistry 33 (aliphatic)	1½	3
English 36, 38, 40, or 45	1½	3
History 36	1½	3
Economics 20	1½	3
Psychology 20	1½	3
Religious Knowledge 40x	1	2
Total	10½-11	Total 20-21

SECOND SEMESTER

Bacteriology 36b (optional)	1½	3
English 36, 38, 40, or 45	1½	3
History 36	1½	3
Economics 20	1½	3
Psychology 20	1½	3
Civics (Ec. 30b)	1½	3
Religious Knowledge 40x	1	2
Library Science	½	1
Total	9	Total 18

Note: Non-Catholic students need not take Religious Knowledge, but must substitute Philosophy courses.

If a student wishes to major in Botany, at the completion of his sophomore year, he can substitute Botanical courses equivalent in credit hours to the Zoological courses under the advice of the Head of the Dept. of Botany.

Description of Courses

Department of Zoology and Applied Biology

11. **Biological Science.** The fundamental principles of biology with stress on the cell as a unit, the origin and preservation of the individual and the race, the mode of inheritance, and the application of biology to social and economic problems.

2 lectures and 2 laboratory hours a week. Two semesters.
Canadian credits—3; American credit hours—6.

10. **Elementary Zoology.** The principles of animal biology illustrated by typical animal forms. First semester—Invertebrates. Second semester—Vertebrates.

2 lectures and 3 laboratory hours a week. Two semesters.
Canadian credits—3; American credit hours—6.

20. **Human Biology.** A course dealing with tissues, organs and systems from the structural, functional and development points. Cytology, Genetics and Evolution are considered in relation to society.

Prerequisite: Zoology 10 or Biology Science 11 (60%).
2 lectures and 4 laboratory hours a week. Two semesters.
Canadian credits—4; American credit hours—6.

22. **Animal Ecology.** The general relationship of animals to their environment. Prerequisite: Zoology 10 or Biological Science 11 (60%).

2 lectures and 4 laboratory hours a week. Two semesters.
Canadian credits—4; American credit hours—6.

26. **Elementary Principles of Genetics.** Inheritance. The First Semester may be taken for 2 credits but it is a prerequisite for the Second Semester. Prerequisite: Zoology 10 or Biological Science 11 (60%).

2 lectures and 4 laboratory hours a week. Two semesters.
Canadian credits—4; American credit hours—6.

31. Comparative Vertebrate Zoology. Comparative function and structure of vertebrate organ systems. Prerequisite: Genetics (Second Semester).

3 lectures and 3 laboratory hours a week. Two semesters.
Canadian credits—4½; American credit hours—6.

357. Historical Biology. The history, theory and problems of biology. Prerequisite: Advanced Histology 554b.

2 lectures a week. One semester.
Canadian credits—2; American credit hours—2.

554. Vertebrate Embryology. Origin and development of vertebrates. Prerequisite: Advanced Histology 554b.

2 lectures and 4 laboratory hours a week. One semester.
Canadian credits—1½; American credit hours—3.

554a. General Histology. Microscopic study of epithelium, connective tissues, blood, muscle and nerves. Prerequisite: Comparative Vertebrate 31.

2 lectures and 4 laboratory hours a week. One semester.
Canadian credits—1½; American credit hours—3.

554b. Advanced Histology. Microscopic anatomy of the vertebrate systems. Prerequisite: General Histology 554a.

2 lectures and 4 laboratory hours a week. One semester.
Canadian credits 1½; American credit hours—3.

Department of Botany

10. Introductory Botany. General principles of botany. Prerequisite: Complete college entrance requirements.

2 lectures and 3 laboratory hours a week. Two semesters.
Canadian credits—3; American credit hours—6.

22b. Plant Culture. Principles of plant growth, propagation and care with particular reference to plants of the garden and the home. Prerequisite: Botany 10 or Biological Science 11 (60%).

2 lectures and 4 laboratory hours a week. One semester.
Canadian credits—2; American credit hours—3.

23a. Plant Ecology. The relationship between plants and their surroundings, including the recognition and classification of common plants. Prerequisite: Same as for 22b.

2 lectures and 4 laboratory hours a week. One semester.

Canadian credits—2; American credit hours—3.

31a. Plant Diseases and Fungi. The recognition of poisonous and edible fungi and the identification, cause and control of common plant diseases. Prerequisite: Same as for 22b.

2 lectures and 4 laboratory hours a week. One semester.

Canadian credits—2; American credit hours—3.

36b. Elementary Bacteriology. The common economic organisms in reference to water, food supplies, public health, and civic problems. Prerequisite: Same as for 31a.

2 lectures and 3 laboratory hours a week. One semester.

Canadian credits—1½; American credit hours—3.

43. Plant Ecology and Taxonomy. The recognition and classification of the common garden and field plants with special reference to adaptations to their environment. Prerequisite: Botany 23a or Botany 31a and 36b.

2 lectures and 4 laboratory hours a week. Two semesters.

Canadian credits—4; American credit hours—6.

Department of Business Administration

20. Introduction To Business Organization: — General business organization, promotion of business enterprises, business finance, industrial management, marketing, administration controls.

3 hours a week: 3 credits.

30. Accounting And Bookkeeping: — Prescribed for Secretarial Science students.

2 hours a week: 2 credits.

36. Business Mathematics: — First term: use of fractions, billing, trade discounts, customs, bank discount, foreign exchange, rapid calculation; second term; compound interest, annuities, bonds, asset evaluation.

2 hours a week: 2 credits.

250. Accounting: — Bookkeeping and financial statement procedure, including the development of modern accounting records, special journals, work sheets and working papers and an introduction to partnership and corporation accounting.

2 lectures, 2 laboratory hours a week: 3 credits.

255. Business Statistics: — Importance to the business executive; the use and interpretation of business and economic statistics; laboratory work; second semester includes an analysis of business conditions.

2 lecturers, 2 laboratory hours a week: 3 credits.

350. Advanced Accounting: — First term: problems of valuation; preparation of accounting statements, principles of analysis, statement of funds, their sources and application; assets, liabilities, capital stock, surplus and reserves; second term: consignments, instalment sales, branch house accounting, mergers, holding companies, consolidated balance sheets and profit and loss statements, receivership accounting, statement of affairs, realization and liquidation, dissolution of partnerships, accounting for estates and trusts.

3 hours a week: 3 credits.

460a. Auditing: — Duties and responsibilities of auditors; kinds of audits and audit programs; audit theory and practice. Must be followed by Business 460b.

3 hours a week: 1½ credits.

460b. Cost Accounting: The collection of cost data for the control of manufacturing operations.

3 hours a week 1½ credits.

Prerequisite: Business 460a.

Department of Chemistry

10. General Chemistry. For Junior Group 1; lectures and laboratory work. The laboratory work consists of experiments covering the principles of General Chemistry and Qualitative Analysis.

2 lectures, 3 laboratory hours a week. Both semesters.

Canadian credits—3; American credit hours—6.

E10. General and Inorganic Chemistry. Non-metals, and their compound; principles of Qualitative Analysis.

4 lectures, 6 laboratory hours a week. American credit hours—8.

A10. General Chemistry. Four hours lecture and recitation, and three hours laboratory during both semesters. American credit hours—4 each semester.

E12. Qualitative Analysis. A laboratory course covering the principles of Qualitative Analysis; the qualitative determination of the common cations and anions by macro methods. One lecture and six laboratory hours a week for one semester. American credit hours—2.

22. Analytical Chemistry. Quantitative and qualitative analysis. Two lectures and three laboratory hours a week. Canadian credits—3; American credit hours—6.

33. Organic Chemistry. Lectures dealing with the aliphatic and aromatic hydrocarbons and their derivatives. Three lectures and six laboratory hours a week. Canadian credits—3; American credit hours—6.

Department of Classics

LATIN

Each student in any of the Latin courses is required to have at least one of the following Latin grammars: Bennett, Allyn and Bacon, Boston; Allen and Greenough, Ginn & Co., New York; Gildersleeve and Lodge, Heath & Co., Boston; and an Elementary Latin Dictionary, American Book Co.

General Course students may find Allen's Elementary Latin Grammar (Clarendon Press) sufficient.

10. Selections from Latin Prose and Poetry; composition and sight translation.

3 hours a week: 3 credits.

Prerequisite: Grade XII or Middle School Latin.

Text-books: Bonney and Niddrie, *Latin, Prose and Poetry, Part II* (Ginn).
Bonney and Niddrie, *Latin Prose Composition* (Ginn).

20. *Martial; Pliny; Virgil, Aeneid VI*; composition; sight translation.

3 hours a week: 3 credits.

Prerequisite: Latin 10 or Upper School Latin.

Text-books: Kennedy, *Martial and Pliny* (Cambridge).
Page, *Virgil, Aeneid VI* (Macmillan).
Arnold, *Latin Prose Composition* (Longmans).

30. Catullus; Virgil, selections from the *Bucolics* and *Georgics*; selections from Horace (*Odes*); Propertius, Tibullus, and Ovid; composition and sight translation.

3 hours a week: 3 credits.

Prerequisite: Latin 20.

Text-books: Page, *Horace, Odes* (Macmillan).

Page, *Virgil, Bucolics and Georgics* (Macmillan).

Simpson, *Select Poems of Catullus* (Macmillan). ...

Harrington, *The Roman Elegiac Poets* (American).

35x. Survey of Mediaeval Latin: — from the death of St. Augustine to the 12th Century; lectures on Latin style and culture of the period; syntax and composition.

3 hours a week: 3 credits.

Text-book: Harrington, *Mediaeval Latin*.

GREEK

1. Elementary Greek: — a preparatory course leading up to the standard of Matriculation (omitting Homer) for those who wish to begin the study of Greek after entering the University.

In order that this course may count for credit towards a degree Greek must be studied for three years. Arts students, on completing this course, will take Greek 10 and 20. Theological students, on completing this course, will take Greek 25x and 35x (pp. 114-5).

3 hours a week: 3 credits.

Prerequisite: Complete college entrance without Greek.

Text-books: White, *First Greek Book* (Ginn).

Phillpotts and Jerram, *Easy Selections from Xenophon*, Chapters 4, 5 (Macmillan).

Colson, *Greek Reader*, Pt. IV (Macmillan).

10. Plato, Selected Dialogues; composition; sight translation.

3 hours a week: 3 credits.

Prerequisite: Grade XII Greek or Greek 1.

Text-books: Burnet, *Plato, Euthyphro, Apology and Crito* (Oxford).

Colson, *Greek Reader*, Part VIII (Macmillan).

North and Hillard, *Greek Prose Composition* (Copp, Clark).

White, *First Greek Book* (Ginn).

20. Plato, *Crito*; Euripides, *Alcestis*; Xenophon, *Oeconomicus*; Demosthenes, *In Cononem*; composition, sight translation.

3 hours a week: 3 credits.

Prerequisite: Greek 10 or Grade XIII Greek.

Text-books: Burnet, *Plato Euthyphro, Apology and Crito* (Oxford).

Sewall, *Xenophon, Oeconomicus* (Cambridge).

Swift, *Demosthenes, Against Conon and Callicles* (Methuen).

North and Hillard, *Greek Prose Composition* (Copp, Clark).

29. **Greek Literature In English Translation:** — a survey of Greek literature for those without a reading knowledge of Greek.

1 hour a week: 1 credit.

30. **Plato, *Apology*; Aristophanes, *Clouds*; Homer, selections from the *Iliad* and the *Odyssey*;** lectures on the social religious and political life of Athens in the fifth century, B.C.; composition; sight translation.

3 hours a week: 3 credits.

Prerequisite: Greek 30.

Text-books: Headlam, *Euripides, Medea* (Cambridge).
Pickard, *Aeschylus, Prometheus Vincit* (Oxford).
Jebb, *Sophocles, Oedipus Tyrannus* (Cambridge).
Jebb, *Sophocles, Antigone* (Cambridge).

Department of Economic and Political Science

20 **Introduction to Economics:** the elementary economic concepts; production, exchange, consumption and distribution of wealth; money and banking; business cycle; international trade; labour problems; public finance; government regulation; the evolution of our economic system and its legal setting at the present time.

3 hours a week: 3 credits.

Text-book: Logan and Inman, *A Social Approach to Economics* (Toronto Press).

28. **Introduction to Sociology: first term:** an analysis of group life, social contacts, social interaction, social forces, social conflicts, accommodation, assimilation, amalgamation, collective behavior and social control; **second term:** applied sociology; sociological approach to the study of modern social problems; social factors of individual and group disorganization, private and public ameliorative institutions, social case work, social legislation, social reconstruction, social security, social control.

3 hours a week: 3 credits.

30b. **Civics:** an analysis of Canada's current economic, political and sociological problems: the effect of World War II upon the Canadian economy. Lectures, assigned readings and reports.

3 hours a week: 1½ credits.

32a. **Introduction to Political Science:** the state, its origin, form and activities, and the working of governments, particularly those of the United Kingdom, Canada, the United

States, France and Switzerland. Reference will also be made to the government of the new states of Central Europe, to the League of Nations and the United Nations.

3 hours a week: $1\frac{1}{2}$ credits.

32b. Dictatorships and Socialism: a critical study of Socialism, Communism and Fascism.; an examination of the economic and political systems of National Socialist Germany, Fascist Italy, and the Soviet Union.

3 hours a week: $1\frac{1}{2}$ credits.

33. Money and Banking:

Part 1. Monetary systems, characteristics and functions of money; banking organization and practice; central banking organization and operation in Canada, United States and England; other financial institutions; the principles and mechanism of international payments.

Part 2. Monetary theory, long run theories, short run theories; development of short run economics, the bullion controversy, the banking and currency schools, contemporary European monetary theories; policies and practices of central banks; monetary and economic ideals and palliatives; economic equilibrium in international exchange.

3 hours a week: 3 credits.

35a. Statistical Methods: an introduction to statistical methods applied to Economics; graphical methods and tabulation; frequency distributions; measures of central tendency; measures of variability; probability; the normal curve; correlation, linear, non-linear, partial and multiple; reliability and validity; analysis of time series; index numbers.

3 hours a week: $1\frac{1}{2}$ credits.

37a. Economic development of Russia: a survey of the development of the Russian Nation in its economic, political and cultural aspects.

3 hours a week, first term: $1\frac{1}{2}$ credits.

37b. Economic and Political Organization of the Soviet Union: a survey of the structure and function of the Soviet State, and its place in the community of nations.

3 hours a week, second term: $1\frac{1}{2}$ credits.

38a. Social Anthropology: a systematic study of the nature, form and function of primitive social groups in their natural environment; the genesis and development of social

institutions and of the various cultural products, such as primitive customs, folkways, mores, religion, art, mythology. The course provides a point of view and a method for the study of the evolution of modern society.

3 hours a week: 1½ credits.

39a. Rural-Urban Sociology: a study of the differentiation and integration of rural and urban populations and an analysis of the various factors affecting their social welfare.

3 hours a week: 1½ credits.

42b. Municipal Affairs: a detailed examination of the laws governing municipal government in Ontario; the powers of municipal councils and other municipal bodies; assessment and taxation.

3 hours a week: 1½ credits.

Text-book: *The Municipal Act, The Assessment Act (Ontario).*

46. Labor, Theory and Problems: the study of the organized labor movements in Europe, in the United States and in Canada; the forms of labor organizations, their economic problems; the problems of unemployment, wages, hours of labor; the problems of child labor; industrial accidents, industrial conflicts, conciliation, mediation, arbitration; the trends in modern labor legislation.

3 hours a week: 3 credits.

47b. International Relations: the problems arising from the absence of world government; economic harmonies and conflicts; Nationalism, Militarism, Imperialism; the causes of war and the efforts to avoid it; diplomacy, arbitration, the League of Nations, the World Court, the United Nations, and international law.

3 hours a week: 1½ credits.

48a. Population Problems: the history of population theories; the quantitative and qualitative aspects of population; the problems of race-mixing; the racial capacity for progress; race-relations; population movements, migration, invasion, immigration, emigration, the amalgamation of races, the problems of eugenics and euthenics.

3 hours a week: 1½ credits.

49b. **Criminology:** the causes and the extent of crime; critical analysis of the different schools of criminology and penology; the methods of treatment of crime; prison work; the honor system; self-government; indeterminate sentence; probation and parole.

3 hours a week: 1½ credits.

Honor Courses

228. Identical with 28.

232a. Identical with 32a.

233. Identical with 33.

251b. **Transportation and Communication: Trade Centres and Trade Routes.** The course deals with the problem of transportation and communication in its geographic, economic, and cultural aspects. Main topics are: analysis and functional structure of the trade centre, the geographic bases of trade, the world shipping industry, inland waterways, the Great Lakes-St. Lawrence problem, competition of transportation companies, rate-making theory and practice, highways, airways, communications, and the transportation problem of Canada.

2 hours a week: 1 credit.

257a. **Economic History of Europe:** the economic foundations from antiquity, the developments of the Middle Ages, Mercantilism, the Industrial Revolution, laissez faire and Economic Nationalism.

2 hours a week: 1 credit.

257b. **Economic History of North America:** a survey of the geographical and historical conditions which have given rise to the current economic problems of the United States and Canada.

2 hours a week: 1 credit.

259. **Economic Geography:** its social and commercial aspects; the course deals with the geographic factors of climate, soils, natural vegetation, etc., in relation to commercial production. A systematic approach to the agricultural re-

gions of the world is presented with special emphasis on North America and the British Empire. Other units of investigation are: products of the sea, products of the earth's crust, products of the forests, production of power, and the manufacturing regions of the world.

2 hours a week: 2 credits.

300b. **Economic Theory.** 3 hours a week: 1½ credits.

350a. **Business Cycles:** booms and depressions, their characteristics and significance, modern theories and possible controls.

3 hours a week: 1½ credits.

351a. **International Trade and Commercial Policies:** international values, foreign exchange, free trade and protection, commercial treaties, quotas and exchange controls.

3 hours a week: 1½ credits.

Text-book: Ellsworth, *International Economics*.

353a. **Business Finance:** the promotion of business enterprises, types of organization, methods of financing, financial controls and dividend policies.

2 hours a week: 1 credit.

Text-book: Gerstenberg, *Financial Organization of Management*.

354a. **Agricultural Economics:** the place of agriculture in economic life, organization for agricultural production, factors chiefly responsible for success or failure, independent and co-operative marketing of agricultural products, the financing of agriculture, government policies and aid.

2 hours a week: 1 credit.

363a. **Investments:** the social significance of investments, tendencies in saving habits, individual and institutional investing, the principles of investments, analysis and evaluation of securities, tendencies in the merits and worth of securities.

3 hours a week: 1½ credits.

450a. **History of Economic Thought:** a survey of the history of economic theory.

3 hours a week: 1½ credits.

452a. History of Political Thought: a survey of the development of political theory from the classical period to the end of the eighteenth century.

3 hours a week: 1½ credits.

453b. Public Finance: governmental expenditures, revenues, borrowing and debt structures; the shifting and incidence of taxation; government activities and financial policies.

3 hours a week: 1½ credits.

458b. History of Sociological Thought: a survey of the development of sociological thought, with emphasis on sociological theories and their relation to other social sciences.

3 hours a week: 1½ credits.

460b. Modern Economic Theory: recent developments in pure theory, contemporary economic schools, a critique of economic thought.

3 hours a week: 1½ credits.

462a. Introduction to Public Administration: a critical examination of modern political theories with special emphasis on theories of the economic and social functions of the state.

3 hours a week: 1½ credits.

462b. Public Administration: social control of business enterprise; a general survey of governmental activities affecting business; the state as entrepreneur and manager; governmental assistance to business; governmental regulation of business in its historical, legal and economic aspects, including recent developments in Canada and elsewhere.

3 hours a week: 1½ credits.

478a. Methods of Sociological Research: the types of sociological research, the historical, the case method, the survey, the experimental, the statistical; critical analysis of the various points of view and approach in sociological studies; individual research projects by each student.

3 hours a week, 1 term: 1½ credits.

490b. Seminar Course: current economic literature, research.

3 hours a week: 1½ credits.

Department of Engineering

E1. Mechanical Drawing. 2 credits. Six hours of drafting room practice each week of the first semester. Lettering; use and care of instruments; orthographic projection; dimensioning; sectional views; conventional representation of screw threads. Drawings are made on drawing paper, tracing paper and tracing cloth.

E70. Descriptive Geometry. 3 credits, Prerequisite: E1. Nine hours of each week of the second semester devoted to lectures, recitations and drawing room practice. Orthographic projection including auxiliary and oblique views. Graphical solution of problems involving points, lines, and planes. Intersection of solids and development of surfaces. All problems are drawn according to drafting room practices as regards lettering and contrast of lines.

E12. Slide Rule. Study in the use of the slide rule: drill in its use for engineering calculations. 1 hour a week; 1 credit.

E20. Mechanical Drawing. 3 credits. Prerequisite: E1. Nine hours of drafting room practice each week of the first or second semester. Isometric and perspective drawing; auxiliary views; sectional views; detail drawing of simple machines and structures; assembly drawings of the problems detailed. Blue prints and black and white prints made from tracings and drawings made in class. Students will work directly on tracing paper or vellum, and cloth tracings will be made of one or more drawings.

E22. Elementary Surveying. 3 credits. Two hours lecture and three hours laboratory per week. Theory of plane surveying; care and use of instruments. Measurement of corrections for taping; theory of differential levelling and angular measurements; land surveys; Canadian Public Land Subdivisions (which is based on American); measurement of angles and distances of a closed traverse; differential and profile levelling practice; understanding of stadia. Prerequisite: Trigonometry.

Department of English

10. English Poetry, Prose and Drama:

A. A critical study of: Shakespeare, *Richard II*, *Romeo and Juliet*; selected poems.

B. A careful reading of: Hèmon, *Maria Chapdelaine*; Hudson, *Green Mansions*; selected prose.

Text-books: *Richard II, Romeo and Juliet*, ed. Kittredge (Ginn).
Maria Chapdelaine (Macmillan).
Green Mansions (Modern Library).
Brooks and Warren, *Understanding Poetry* (Holt).

11. **Composition:** The mechanics of writing. Numerous essays and exercises will be required.

1 hour a week: 1 credit.

Text-books: Kierzek, *From Reading to Writing* (Macmillan).
The Concise Oxford Dictionary or Webster's Collegiate Dictionary,
Fifth Edition.

19. **Public Speaking:** The principles of public speaking; the purposes, such as exposition, persuasion, belief, entertainment; assignments in selecting, arranging and delivering speeches; a brief summary of parliamentary procedure.

1 hour a week: 1 credit.

Text-book: Hayworth, *Public Speaking* (Ronald Press).

20. **General Literature:** A survey of English Literature, with emphasis on the great writers.

2 hours a week: 2 credits.

Text-books: *The College Survey of English Literature* (Harcourt, Brace).
Shakespeare, *Hamlet* (Crofts).

21. **Composition and Rhetoric:** The relation of material to style. Numerous essays and exercises will be required.

1 hour a week: 1 credit.

Text-books: Sanders, Jordan, Limpus and Magoon, *Unified English Composition* (Crofts).
The Concise Oxford Dictionary or Webster's Collegiate Dictionary,
Fifth Edition.

29. **Voice and Phonetics:** A theory and practice course in speech fundamentals, including phonetics, for improved oral expressiveness; attention to vocal tone, articulation, pitch, melody, quality, acceptable pronunciation.

2 hours a week; 2 credits.

Text-book: Borchers and Wise, *Modern Speech* (Harcourt, Brace).

30. Literature of the Romantic Revival: Poetry, prose and the novel from 1780 to 1832. Essays and reports will be required.

3 hours a week: 3 credits.

Text-book: Woods, *Poetry and Prose of the Romantic Movement* (Scott, Foresman).

35. General Literature: A course involving the reading of selected novels, plays and poems, chiefly modern. In addition, modern prose writings will be used as models of style and as material for discussion. The writings of essays, reports and précis will be required.

3 hours a week: 3 credits.

Text-books: (first term)

Conrad, *Lord Jim* (Modern Library).
Lewis, *Arrowsmith* (Modern Library).
Homer, *The Odyssey*, trans. E. V. Rieu (Penguin).
Hardy, *The Return of the Native* (Modern Library).
(second term)
Shaw, *Saint John* (Penguin).
Shaw, *The Doctor's Dilemma* (Penguin).
O'Neill, *Three Plays* (Modern Library).
Shakespeare, *Antony and Cleopatra* (Kittredge edition, Ginn).
Pratt, *Ten Selected Poems* (Macmillan).

36. Modern British and American Drama: A study of the leading dramatists, with a careful reading of representative plays.

3 hours a week: 3 credits.

Text-book: Whitman, *Representative Modern Dramas* (Macmillan).

38. American and Canadian Literature: Poetry, prose; the novel. Essays and reports will be required.

3 hours a week: 3 credits.

Text-books: Benet and Pearson, *The Oxford Anthology of American Literature* (Oxford).
Robins, *A Pocketful of Canada* (Collins).
A. J. M. Smith, *The Book of Canadian Poetry* (Gage).
Crawford, Kern and Needleman, *An Outline History of American Literature* (Barnes and Noble).

40. Literature of the Victorian Period: Poetry, prose; the novel from 1832 to 1900. Essays and reports will be required.

3 hours a week: 3 credits.

Text-book: Bowyer and Brooks, *The Victorian Age* (Crofts).

41. Creative Writing: Limited to fifteen students. Those wishing to register in the course should submit manuscripts

to the Department of English before September first.

1 hour a week: 1 credit.

Text-book: Ware and Bailey, *From Fact to Fiction* (Appleton-Century).

45. Recent English Literature and American Poetry;
Poetry since Hardy and Robinson; English essays, novels, biographies and criticism of the twentieth century.

3 hours a week: 3 credits.

Text-books: Untermeyer, *Modern British and American Poetry* (Harcourt, Brace).
Others to be announced.



Department of Geology and Geography

10. General Geology: — Introduction to the geological sciences; geological agents and processes, the structure of the earth, geomorphology, earth materials including ores; metamorphism and its results, historical geology, paleogeographic and life conditions from pre-cambrian to the present. Laboratory work will include the identification of common rocks, minerals and some ores; the interpretation of topographic maps; index fossils. Field trips to points illustrating geological phenomena will replace some laboratory periods.

2 lectures, 3 laboratory hours a week: 3 credits.

11. Geological Science: A descriptive account of the more important geological phenomena and processes, with emphasis on topics of local interest.

3 lectures a week: 3 credits.

Optional in Junior Groups 2, 3, 4, and Senior Group B.

Text-book: Cronies and Krumbein, *Down to Earth* (University of Chicago Press).

20. Introduction to Geography: — A study of the the natural landscape :weather, climate, land forms, plant and animal distribution, soils, resource patterns; the cultural elements of the landscape.

3 lectures a week, one term: 1½ credits.

This course can be taken either first or second term.

31. Elements of Geography: — The earth as the home of man; an analysis of the elements of the natural and the cultural landscapes.

2 lectures a week, one term: 1 credit.

This course is not open to students who have taken Geography 20.

35. Regional Geography: a systematic approach to the study of the human geography of the world. The occupance of man in the major geographic subdivisions of the world is studied from the standpoint of climate, natural vegetation, land forms, soil, mineral resources, hydrography, and location. Special emphasis is placed upon North America and the British Empire.

3 hours a week: 3 credits.

45a. Geography of Canada: the geographic bases of human occupancy in Canada. The regional approach is used to discuss the economic, political, and social adjustments to the geographic environment.

3 lectures a week: 1½ credits.

45b. Conservation of Natural Resources: — Conservation of soil and water resources; forests, parks, and grazing lands; wildlife; mineral resources: the conservation movement in Canada.

3 lectures a week: 1½ credits.

Department of German

General Courses

1. Elementary German: the work of Grade XII (Middle School) or its equivalent is covered.

3 hours a week: 3 credits.

10. Intermediate German: the work of Grade XIII (Upper School) or its equivalent is covered.

3 hours a week: 3 credits.

M-10 4 hours: 4 credits.

Prerequisite: Grade XII (Middle School) German or German 1.

20. Advanced German: translation from modern literary German, grammar, dictation, conversation.

3 hours a week: 3 credits.

Prerequisite: Grade XIII (Upper School) German or German 10.

30. Outline of Modern German Literature: from the Romantic period to the present.

2 hours a week: 2 credits.

Prerequisite: German 20.

31. Grammar: dictation, conversation.

1 hour a week: 1 credit.

Prerequisite: German 20.

Text-book: Morgan and Mohme, *German Review Grammar and Composition* (Heath).

40. Outline of Classical German Literature:

2 hours a week: 2 credits.

Prerequisite: German 30.

41. Grammar: prose composition, conversation.

1 hour a week: 1 credit.

Prerequisite: German 31.

Department of History

14. History of the Americas: a study of the rise and growth of the various American nations and their relations with one another, against their respective geographical, economic and cultural backgrounds.

3 hours a week: 3 credits.

20a. Mediaeval History: lectures, prescribed reading and essays: events and movements in continental Western Europe from the late days of the Roman Empire to the end of the Hundred Years' War in France, to the period of the Golden Bull in Germany and in Italy to the time of the Avignon Captivity. The chief topics are the decline of the Roman State, the Germanic migrations and kingdoms, the Carolingian State, Feudalism, the Church, Towns, the Holy Roman Empire, the developing states.

3 hours a week: 1½ credits.

Text-book: Stephenson, *Medieval History* (Harper).

20b. The Renaissance and the Reformation: lectures, prescribed reading and essays; under the Renaissance will be considered the changing attitude toward life, manifesting itself in the new intellectualism, art, science in Italy, Germany and France in particular; the Reformation in Germany and Switzerland.

3 hours a week: 1½ credits.

Text-book: Lucas, *The Renaissance and the Reformation* (Harper).

31. History of Canada: lectures, prescribed reading and essays. A survey from the beginning of the French Regime to the present.

2 hours a week: 2 credits.

Text-book: Wittke, *History of Canada* (Longmans).

33a. The Development of Self-Government in the British Empire-Commonwealth: lectures, prescribed reading and reports. The lectures will be grouped under the following heads: the breakdown of the old Colonial System and Policy; British Colonial Policy at the beginning of the Nineteenth Century; the Colonial Reformers and the application of their ideas to Canada and to Australasia; the evolution of self-government in Canada, Australasia, South Africa and India; the growth of colonial nationalism and autonomy, culminating in the achievement of Dominion status; the constitution of the Dominion of Canada, of the Australian Commonwealth, of the Union of South Africa, of the Irish Free State and of India.

3 hours a week: 1½ credits.

Text-books: Knaplund, *The British Empire, 1815-1939*.
 Robinson, *Development of the British Empire*.
 Egerton, *Federations and Unions in the British Empire*.
 Egerton, *Short History of the British Colonial Policy*.
 Egerton, *British Colonial Policy in the 20th Century*.
 Scott, *Short History of Australia*.
 Fairbridge, *History of South Africa*.
 Currey, *British Colonial Policy*.

36a. Modern History (1555-1830): lectures, prescribed reading and essays. The period from 1555 to 1648 will be covered only to outline the proper background for the Treaties of Westphalia, which provides the setting for modern European History. The French Revolution and the era of Napoleon will be studied as a part of the revolutionary developments of the modern world which made the eighteenth century a sort of half-way house between mediaeval times and the present.

3 hours a week: 1½ credits.

Text-books: Hayes *A Political and Cultural History of Modern Europe, 1500-1830, Vol I* (Macmillan).
 Robinson and Beard, *Readings in Modern European History, Vol. I* (Ginn).
 Shepherd, *Atlas of Medieval and Modern History* (Holt).

36b. Modern History (1830-1933): lectures, prescribed reading and essays: the growth of nationalism and democracy in Europe; political and social reform; scientific, social and economic movements; the colonial and commercial expansion of the European nations as the background of the First World War; the peace settlements; post-war international problems.

3 hours a week: 1½ credits.

Text-books: Schapiro, *Modern and Contemporary European History* (Houghton, Mifflin) or Hayes, *A Political and Cultural History of Modern Europe, 1830-1935, Vol II*.
 Robinson and Beard, *Readings in Modern European History, Vol. II* (Ginn).
 Shepherd, *Atlas of Medieval and Modern History* (Holt).

44. **History of the United States:** the colonial period, the revolution, making of the constitution, westward development, the slavery struggle, the Civil War, reconstruction and later political history to the present day; the character of federal and state governments. The period to the Civil War will be covered in the first term and the period since the Civil War in the second term.

Lectures, prescribed reading and essays.

2 hours a week: 2 credits.

Text-book: Muzzey, *History of the American People*.

45. **Mediaeval, Renaissance and Reformation History, and the Wars of Religion:** lectures, essays and prescribed reading. The course is a condensation of History 20a and 20b, with the addition of the Wars of Religion. It may not be chosen by a student who has credit for History 20.

3 hours a week: 1½ credits.

Text-book: Ferguson and Brunn, *A Survey of European Civilization* (Houghton, Mifflin).

46b. **Modern History:** a rapid survey course of Continental Europe from the Wars of Religion to the Peace Settlement following the World War (1648-1925). This course may not be chosen by a student who has credit for History 36.

3 hours a week: 1½ credits.

Text-book: See History 45a.

Honour Courses

236a. **MODERN HISTORY (1555-1830):** for details, see History 36a. Honor students will be required to do special reading and reports in this course.

3 lectures and a seminar a week: 1½ credits.

Prerequisites: Junior Group 3, p. 57.

Text-books: Hayes, *A Political and Cultural History of Modern Europe, 1500-1830, Vol. I* (Macmillan).

Robinson and Beard, *Readings in Modern European History, Vol. I* (Ginn).

236b. **MODERN HISTORY (1830-1933):** for details of course see History 36b. Honor students will be required to do special reading and reports in this course.

3 lectures and a seminar a week: 1½ credits.

Prerequisite: Junior Group 3, p. 57.

Text-books: Hayes, *A Political and Cultural History of Modern Europe, 1830-1935, Vol. II*.

Robinson and Beard, *Readings in Modern History, Vol. II*.

257. Ancient Civilization: the Near East, Greece and Rome.

3 hours a week, lectures and seminars: 3 credits.

Text-book: Smith and Moorhead, *A Short History of the Ancient World* (Appleton-Century).

331 History of Canada: a survey from the beginning of the French R gime to the present; lectures, prescribed reading and essays.

Students in this course will be expected to do wide reading in *The Cambridge History of the British Empire*, Vol. VI; *The Chronicles of Canada*; *The Makers of Canada*; *Canada and its Provinces*; works on economic history, and standard biographies.

3 hours a week, lectures and seminars: 3 credits.

333a. The Development of Self-government in the British Empire-Commonwealth: — for details, see History 33a. Honor students will be required to do special reading and reports in this course.

3 lectures and a seminar a week: 1½ credits.

353b. Colonial and British Imperial History. — the Old Colonial System of Spain, Portugal, France, Holland and the First British Empire; the dependent British Empire of today and some of its problems.

3 hours a week, lectures and seminars: 1½ credits.

354b. History of Latin America: — Optional with 353.
3 hours a week: 1½ credits.

356b. International Relations and World Problems: — 1918 to the present.

3 hours a week, lectures and seminars: 1½ credits.

444. History of the United States: see History 44; prescribed for students of the fourth year in the Honor Course in History: lectures, prescribed reading and essays.

3 hours a week, lectures and seminars, 3 credits.

452a. History Of European Society and Institutions: — this course deals primarily with the social and constitutional history of England to 1660 and emphasizes the use of documents

3 hours a week, lectures and seminars: 1½ credits.

455. **British Political Parties:** — the rise of the Tory and Whig Parties; the Revolution of 1688; the Tory Reaction in the reign of Anne; the "Reign of Whigs"; the experiment in personal government of George III; the disruption of the old Whig Party; the new Tory Party under Pitt; the growth of Parliamentary Reform and Free Trade; Peel and Liberal Conservatism; Disraeli and Democratic Toryism; Gladstone and Modern Liberalism; the Irish Parliamentary Party; the Unionist Party; the Labour-Socialist Party.

3 hours a week, lectures and seminars: 3 credits.

References: Traill, Shaftesbury.

Morley, Walpole.

Williams, Life of William Pitt, Earl of Chatham.

Newman, Edmund Burke.

Drinkwater, Charles James Fox.

Rosebery, Pitt.

Thursfield, Peel.

Morley, Cobden.

Froude, Beaconsfield.

Morley, Life of Gladstone.

460b. **History of European Society and Institutions:** — primarily Continental Europe to 1648: complimentary to 452.

3 hours a week, lectures and seminars: 1½ credits.

465a. **Tudor And Stuart England:** — optional with 452.

3 hours a week, lectures and seminars: 1½ credits.

Department of Library Science

10a. **The Use of Books and Libraries:** lectures and exercises on the use and arrangement of the card catalogue, standard reference books, bibliography, periodicals and periodical indexes. Prescribed for all students in the first year.

1 hour a week: ½ credit.

Text-book: Campbell and Welling, *Library Science for Canadians*.

Department of Mathematics

10a. **Algebra:** functions and their graphs, quadratic equations, ratio and proportion, variation, progressions, interest and annuities, permutations and combinations, binomial theorem.

3 hours a week: 1½ credits.

Prerequisite: Grade XII (Middle School) Mathematics.

Text-book: Brink, *Algebra, College Course* (Appleton-Century).

12b. Analytic Geometry: the point, straight line, circle, parabola, ellipse, with an introduction to the hyperbola; application to curve of flight and to reflectors.

3 hours a week: $1\frac{1}{2}$ credits.

Prerequisite: Grade XII (Middle School) Mathematics and Grade XIII Algebra or Mathematics 10a.

Text-book: Durrant and Kingston, *A New Analytic Geometry* (Macmillan).

18a. Plane Trigonometry: — Chapter I — IX in the text.

3 hours a week: $1\frac{1}{2}$ credits.

Prerequisite: Grade XII (Middle School) Mathematics.

Text-book: Brink, *Plane Trigonometry* (Appleton-Century).

24. Calculus: — elements and practical applications.

4 hours a week; 4 credits.

Prerequisite: Mathematics 10a and 12b or Grade XIII (Upper School) Algebra and Geometry.

Text-book: Middlemiss, *Differential and Integral Calculus* (McGraw-Hill).

29a. Descriptive Astronomy: A survey course: the constellations; shape, size and motions of the earth; the moon; eclipses; time; the solar system; the planets; comets and meteors; the sun; evolution of solar system; the stellar universe. Evening observations. The lectures will be illustrated with lantern slides and models. This course is not mathematical.

2 hours a week: 1 credit.

Text-books: Skilling and Richardson, *Astronomy* (Holt).

Kingston, *An Easy Pocket Star-Guide for Beginners*.

31a. Statistics: — Fundamental concepts of statistics with special emphasis on topics that find frequent application to biological (medical) fields; nature and scope of statistical methods.

2 hours a week, first term: 1 credit.

250. Algebra: Determinants and matrices, complex numbers, undetermined coefficients, partial fractions, recurring series, continued fractions, indeterminate equations of first degree, theory of equations.

2 hours a week: 2 credits.

Prerequisite: Mathematics of Junior Group 1.

Text-books: Hall and Knight *Higher Algebra* (Macmillan).

Lovitt, *Elementary Theory of Equations* (Prentice-Hall).

254. Calculus: First term: successive differentiation; maxima and minima of $f(x)$; points of inflection; curve tracing; differentials; rates; change of dependent and independent variables; curvature; envelopes; evolutes; involutes; Mean Value theorem; indeterminate forms; partial differentiation; convergency of series; Taylor's and Maclaurin's series applied to expansion of functions; asymptotes; singular points. Second term: integration as inverse of differentiation and as the limit of summation; methods of integration; reduction formulae; applications.

3 hours a week: 3 credits.

Prerequisite: Mathematics of Junior Group 1.

Text-book: Smith, Salkover and Justice, *Calculus* (Wiley).

261a. Synthetic Solid Geometry.

2 hours a week: 1 credit.

Prerequisites: Mathematics of Junior Group 1.

Text-book: Wentworth and Smith, *Solid Geometry* (Ginn).

262b. Analytic Solid Geometry.

3 hours a week: $1\frac{1}{2}$ credits.

Prerequisite: Mathematics of Junior Group 1.

Text-book: Snyder and Sisam, *Geometry of Space* (Holt).

Department of Psychology

Offered by Assumption College only.

20x. Introduction to Psychology: — problems, division and methods of psychology; relation and elements of experimental and rational, theoretical and applied, individual and social psychologies; the field of abnormal psychology; a brief survey of the main ideas in the history of psychology. Lectures, prescribed reading and essays.

3 hours a week: 3 credits.

35x. Experimental Psychology: introduction to laboratory techniques in psychology; general notion of psychological measurements; measuring instruments and their uses; elements of statistical procedure; laboratory study of processes relating to motor aptitudes, aesthetic judgment and learning.

2 lecture hours, 2 laboratory hours a week: 3 credits.

36x. Genetic and Educational Psychology: the unfolding of man's faculties; the development and function of habits; motor, sensory, perceptual, emotional, intellectual and moral development; the characteristics of infancy, childhood, adolescence and adulthood; the growth of personality; general tendencies and individual differences, persistent problems of education; a brief critical survey of the leading modern systems of education.

2 hours a week: 2 credits.

37xa. Theory and Construction of Mental Tests: discussion of basic considerations in mental measurements; description and evaluation of typical measuring instruments and their uses; detailed study of tests of early childhood, achievement, intelligence, motor tests and appraisals of artistic ability, interests and attitudes; consideration of persistent problems in the field of mental measurement.

3 hours a week: 1½ credits.

A number of laboratory hours will also be arranged.

37xb. Statistical Methods in Psychology: review of elementary techniques such as graphing and tabulation; measures of central tendency, variability and relationship of variables; application of the normal curve to psychological data; reliability of measures; statistical prediction.

3 hours a week: 1½ credits.

38x. Advanced Experimental Psychology: a laboratory study of such processes as sensation, perception, reaction time, emotional and thought processes.

2 lecture hours, 2 laboratory hours a week: 3 credits.

44x. History of Psychology: an estimation of the contribution of ancient, mediaeval and early modern philosophers to psychology; a critical examination of some important modern systems of psychology; Introspectionism, Functionalism, Behaviorism, Purposivism, Gestalt Psychology, Psychoanalysis.

2 hours a week: 2 credits.

46x. Applied Psychology: the applications of psychology to the problems of education; the learning process; behavior problems in the school; student placement and progress; achievement tests; curricular problems; deviations in educational development; appraisal of teaching efficiency; Personnel work; vocational selection and guidance; training of workers; labor relations; advertising; salesmanship. Application of psychology to medicine, law, religious education, politics, aesthetics. General problems in human adjustment.

2 hours a week: 2 credits.

49x Social Psychology: the social activities of living beings in response to their social environment; the social, cultural setting and psychological foundations of social behavior; the conditioning of personality by the family and other groups; types of prejudice; leadership and prestige; the mob; mental epidemics; propaganda; public opinion.

2 hours a week: 2 credits.

On option special lectures will be provided in mental hygiene, abnormal psychology and industrial psychology relating to the personnel problems of leading local industries.

Department of Philosophy

13x. Rational Foundations of Religion: philosophy of religion; religious and scientific belief; theism and atheism; nature of man; moral responsibility and end.

2 hours a week: 2 credits.

30x. Introduction to Philosophy: problem, division and method of philosophy; the relation of philosophy to the special sciences and theology; the principles of natural philosophy, metaphysics, epistemology and moral philosophy; an outline of the main tendencies in the history of philosophy.

3 hours a week: 3 credits.

31x. Logic: simple apprehension, judgment, reasoning; idea and term; proposition; definition; division; categories and predicables; deductive reasoning; rules, modes and figures of syllogism; fallacies in argument; inductive reasoning: observation, experiment, description, analysis, synthesis, statistical procedure, verification; a brief introduction to the history of logic.

2 hours a week: 2 credits.

34xb. **The Philosophy of Democracy:** the meaning of democracy; ways in which it can be achieved; arguments for and against democracy.

2 hours a week: 1 credit.

37x. **History of Greek Philosophy:** a study of the contributions made to philosophy by the Pre-Socratic thinkers, Socrates, Plato, Aristotle, the Stoics, the Epicureans, the Alexandrian School and Plotinus.

2 hours a week: 2 credits.

40x. **Philosophical Ideas in Modern English Literature:** a critical discussion of some of the important philosophical ideas which are found in or have influenced English prose and poetry.

2 hours a week: 2 credits.

41xa. **Metaphysics:** being; the transcendental attributes of being; analogy; essence and existence; act and potency; necessity and contingency; the principles of causality and sufficient reason.

3 hours a week: 1½ credits.

41xb. **Natural Theology:** God's existence; the divine attributes; conservation and providence; the idea of God in the history of philosophy.

3 hours a week: 1½ credits.

42xa. **Ethics:** man's ultimate goal; the moral character of human acts; external, natural and positive law; right reason; conscience; habits, virtues and vices; general notions of right and duty.

3 hours a week: 1½ credits.

42xb. **Social Philosophy:** the nature and function of society; the common good; justice, friendship and freedom; authority, government, constitution and legislation; the person, family, private organizations and the state.

3 hours a week: 1½ credits.

43xa. **Epistemology:** pre-scientific and scientific knowledge; the sensible and intelligible value of experience; the degrees of abstraction; the nature and function of concepts;

the metaphysical foundation of judgment; truth, opinion and belief; a brief review of the most important tendencies in the theories of knowledge.

3 hours a week: 1½ credits.

43xb. Philosophy and Special Sciences: the rise of the special sciences and their reaction on philosophical speculation: the gradual evolution of scientific hypothesis (law and theory); mathematization in the special sciences; the object matter and hierarchy of the special sciences. Required reading: selections from the works of the founders of the special sciences.

3 hours a week: 1½ credits.

44xa. Theories of World Society: the historical and philosophical study of suggested principles for a world society; the theories of the Jews, Alexander the Great, the Stoics (especially Seneca, Marcus Aurelius), St. Augustine, Orosius, Charlemagne, Otto von Freising, Hugh of St. Victor, John of Salisbury, Roger Bacon, Dante, Aegidius Romanus, Marsiglio of Padua, Jean Jeandun, Nicolaus Cusanus, Campanella, Leibnitz, the Liberal economists, Comte, Marx; contemporary, tenets; an integral view of world society.

2 hours a week: 1 credit.

44xb. Humanism and the Renaissance: the historical and philosophical study of the humanist ideas inherited by the Renaissance; the humanism of Cicero, Quintilian, St. Augustine, poets, historians, scholars, educators, philosophers, and theologians of the early Middle Ages; Hrodzwita, Gerbert of Aurillac, Fulbert of Chartres, Bernard and Thierry of Chartres, Rupert of Deutz, Hugh of St. Victor, Bernardus Sylvestria.

Alanus de Insulis Hildebert, Otto von Freising, Adam of St. Victor, Alexander of Neckam, John of Salisbury, Henri D'Aille, Johannes de Garlandia, Roger Bacon, Vincent of Beauvais, Jean Gerson, Nicola de Clemange, Fichte, Guillaume Baude, Gerard Grote, Thomas a Kempis, Erasmus, Petrarch, Salutati, Poggio, Lorenzo Valla, Chrysolarus, Ficino; integral humanism.

2 hours a week: 1 credit.

45xa. The History of Political Philosophy: ancient, mediaeval and modern political thought.

3 hours a week: 1½ credits.

45xb Contemporary Political Philosophy: political philosophy after Hegel; fundamental assumptions underlying present day political movements.

3 hours a week: 1½ credits.

46xa. Aesthetics: the beautiful and the fine arts; aesthetic enjoyment; natural talent, education and rules in art; imitation, thesis and emotion; the ingenuousness of the work of art and the human end of the artist; the material conditions and the spiritual value of art, prudence and wisdom; Christian art; a brief review of the history of aesthetic theories. Prescribed reading in the history of the fine arts.

2 hours a week: 1 credit.

46xb. Contemporary Philosophy: neo-idealism; pragmatism; positivism; neo-realism; neo-scholasticism. Lectures, reports and discussions.

2 hours a week: 1 credit.

47x. History of Modern Philosophy: the breakdown of mediaeval philosophy; the philosophy of the Renaissance; Cartesian mathematicism, spiritualism and idealism; British empiricism and psychologism; German idealism; utilitarianism, relativism, evolutionism.

2 hours a week: 1 credit.

48x History of Mediaeval Philosophy: early Christian philosophy; Patristic thought; Arabian and Jewish philosophy; exaggerated realism, nominalism, conceptualism; Scholastic philosophy; Augustinism, Latin Averroism, Mediaeval Neo-Platonism and sensism.

2 hours a week: 1 credit.

49xa. The Concept of Nature: the hylomorphic theory of change: matter and form as nature; natural and forced motions; nature and art; the order and attributes of natures.

2 hours a week: 1 credit.

451x. Problems In Social Philosophy. 3 credits.

452x. Thomistic Principles. 3 credits.

453x. Problems In Greek Thought. 3 credits.

454x. Thomist Revival. 3 credits.

456x. Philosophy of Education. 2 credits.

Department of Physical Education

Courses for Men

A student may elect one from each of the following Autumn and Winter groups, and, if his performance justifies it, he will receive credit for the prescribed or elective work of his year.

Autumn: Rugby, soccer, track, horseback riding, training in the Armed Services.

Winter: Boxing and wrestling, hockey, basketball, swimming, gymnastics, badminton, first aid, fencing, training in the Armed Services.

10. Physical Education: — required of all men except veterans in the first year: one elective autumn activity and one elective winter activity.

2 hours a week: 1 credit.

20. Physical Education: — required of all men except veterans in the second year; one elective autumn activity and one elective winter activity.

2 hours a week: 1 credit.

TRAINING IN THE ARMED SERVICES: — Students, Veterans excepted, who are physically fit must, on registration, affiliate themselves with one of the two armed services, that is, (1) with the army through the Canadian Officers' Training Corps (C.O.T.C.), (2) with the Royal Canadian Navy through the University Naval Training Division (U.N.T.D.). Students will be enrolled as cadets in the C.O.T.C., and ordinary seamen in the U.N.T.D. Suitable candidates in each service will be selected and trained for commissioned rank.

PHYSICAL EDUCATION CREDIT FOR VETERANS: — Veterans are exempt from the required Physical Education of the first and second years. Credit will be given, however, upon completion of the requirements noted above.

Department of Physics

All students taking laboratory work in Physics must pay a deposit of five dollars to the Bursar to cover breakage. Any surplus will be refunded at the end of the college year.

10. Mechanics and Heat: — a survey prescribed for students intending to major in some branch of science: demonstrations and laboratory exercises covering the following principal topics: systems of measurement; laws of uniformly accelerated motion; elementary analytic statics; rotational motion; simple harmonic motion; hydrostatics and hydrodynamics; surface tension; viscosity; osmosis; thermometry; temperature and its effects; gas laws; calorimetry; change of state; vapor pressure; hygrometry; elementary kinetic theory; first and second laws of thermodynamics, reversible cycles.

2 lectures, 3 laboratory hours a week; Canadian credits 3; American credit hours 6.

Text-Books: Duncan and Starling, *Dynamics*.
Duncan and Starling, *Heat*.
Saunders, *A Survey of Physics*.

E-10. (21) General Physics: — Light, Sound, Electricity and Magnetism, etc.

2 lectures and 3 laboratory hours a week; Canadian credits, 3; American credit hours 6.

11. Physical Science: — lectures, demonstrations, laboratory exercises and tutorial groups, designed (1) to present an historical review of the development of the physical sciences, with emphasis on principles rather than facts; (2) to develop some of the practical applications of physical science in the modern world; (3) to outline the present trends in science and to explain the point of view of science toward some of the problems of human existence. Optional in Junior Groups 2, 3, 4 and in Senior Group B, 3 credits.

Text-book: Richards, *The Universe Surveyed*.

250. Elements of Mechanics: A mathematical treatment of the principles of statics and dynamics with numerous applications of physical principles.

2 lectures a week: 2 credits.

Text-book: Campbell, *An Introduction to Mechanics*.

251. Precision of Measurement: Lectures and practical work on methods of treating data obtained in the laboratory, so as to obtain the greatest amount of useful information. Training is given in methods of calculation, representative values, precision indexes, graphical solutions.

3 lecture and laboratory hours a week: 1 credit.

254. Sound and Light: Elementary geometrical optics and an introduction to physical optics; sound: sources, characteristics, transmission, reception, methods of sound analysis, architectural acoustics.

2 lectures, 3 laboratory hours a week: $3\frac{1}{2}$ credits.

Text-books: Robertson, *Introduction to Physical Optics*.
Sears, *Principles of Physics*, Vol. III, Optics.
Colby, *Sound Waves and Acoustics*.

255. Electricity and Magnetism: Lectures on the principles of electricity and magnetism, including an introduction to electrical measurements.

2 lectures, 3 laboratory hours a week: $3\frac{1}{2}$ credits.

Text-book: Gilbert, *Electricity and Magnetism*.

Department of Religious Knowledge

Religion 11x. 2 credits. The Mass and Liturgy: the history of sacrifice and of the Mass; the doctrine of the Mystical Body of Christ; a study of the liturgy of the Mass; sacramentals. Extensive reading in texts dealing with the Mass, liturgy, and the Mystical Body.

Religion E11x. 2 credits. Fundamentals of Christianity: religion, natural and revealed; the historicity of the Gospels; the Person, teaching, and claims of Jesus Christ.

Religion 21x. 2 credits. Church History: Part 1, The Apostolic age to the 11th century; Pagan persecution, heresies, councils, monasticism, the evangelization of Europe; Part II, The 11th century to the present: feudalism, mediaeval culture, religious revolt, revolution, liberalism.

Religion E21x. 2 credits. The Mystical Body of Christ: the Church as the font of grace; the sacramental system; practical applications.

Religion 30x. 2 credits. A Synthesis of Catholic Dogma: practical Catholic life in the Mystical Body of Christ; sanctifying one's state in life; the sacrament of matrimony.

Religion 40x. 2 credits. Catholic Lay Leadership: the history, principles, and methods of Catholic Action. Extensive reading and discussion of current social, intellectual, literary, educational, and artistic movements.

Department of Romance Languages

FRENCH

General course students may, with the consent of the Head of the Department, elect French 271, 381 and 491 as optional credits towards graduation.

10. Intermediate French: the work of grade XIII Upper School), grammar, dictation, translation, memorization of short poems.

3 hours a week: 3 credits.

20. Advanced French: — Grammar, translation, free composition, oral practice.

3 hours a week: 3 credits.

Prerequisite: French 10 or Grade XIII French.

30. Outline of French Literature (origins to 1700 A.D.).

3 hours a week: 3 credits.

Prerequisite: French 20.

Text-book: Steinhauer and Walter, *Omnibus of French Literature, Volume I* (Macmillan).

39. Outline of French Literature in English. For students in the Honor English Course who have no reading knowledge of French. Elective also in the General Course, Senior Group B.

1 hour a week: 1 credit.

Text-book: Guyer, *The Main Stream of French Literature* (Heath).

40. Outline of French Literature (1700 A.D. to the present time).

3 hours a week: 3 credits.

Prerequisite: French 30.

Text-book: Steinhauer and Walter, *Omnibus of French Literature, Vols. I and II* (Macmillan).

45. Scientific French: — the reading of scientific French, from text-books and journals, supplemented by reading in the special field of research of each student.

1 hour a week: 1 credit.

Prerequisite: French 10 or Grade XIII French.

ITALIAN

10. Elementary Course: — grammar, pronunciation, translation of simple texts.

3 or 4 hours a week: 3 credits.

3 hours a week: 3 credits.

Prerequisite: Italian 20.

20. Intermediate Italian: — Review of grammar, translation of modern Italian.

3 hours a week: 3 credits.

Prerequisite: Italian 10 or its equivalent.

30. Outline Of Italian Literature And Civilization: — Composition, translation, history of literature.

3 hours a week: 3 credits.

Prerequisite: Italian 20.

SPANISH

1 Elementary Spanish. grammar, translation, dictation, oral practice.

3 or 4 hours a week: 3 credits.

Prerequisite: admission requirements.

10. Intermediate Spanish: grammar, translation, composition, oral practice.

3 hours a week: 3 credits.

Prerequisite: Spanish 1 or its equivalent.

20. **Advanced Spanish:** grammar review, composition, translation, oral practice.

3 hours a week: 3 credits.

Prerequisite: Spanish 10 or its equivalent.

30. Identical with 230.

31. Identical with 231.

230. **Spanish Drama** since the 17th Century: lectures, reading, discussion, reports.

2 hours a week: 2 credits.

Prerequisite: Spanish 20.

231. **Commercial And Industrial Spanish:** — Grammar, composition.

2 hours a week: 2 credits.

Prerequisite: Spanish 20.



Scholarships

At Assumption College

**FOR MIDDLE AND UPPER SCHOOL GRADUATES
OF WINDSOR AND ESSEX COUNTY . . .**

▼

• Windsor Alumni Club Scholarship . . .

The Windsor Chapter of the Assumption Alumni awards annually a scholarship of the value of \$150.00 covering complete tuition and fees for one year at Assumption College, together with remission of tuition or fees in excess of the amount of the award.

This scholarship is open to any upper school graduate of any school in the City of Windsor. The Scholarship Committee will be guided by the following considerations in granting the award:

- (1) Literary and Scholastic Attainments.
- (2) Distinction Achieved in Extra-Curricular Activities—Athletics, Cadets, Dramatics, Debating, Students' Council, etc.
- (3) Vocational, Recreational, or Cultural Activities Outside of School.
- (4) Character Qualifications—Integrity, Fellowship, etc.

A letter of application including a brief life history of the contestant, signed by the principal of the school he is attending, and a letter of recommendation from someone other than a teacher must be mailed to Mr. P. L. McManus, 1048 Victoria Avenue, Windsor, Ontario, on or before June 1st of the year of application. The Scholarship Committee consists of the Superintendent of Schools of the City of Windsor, the Registrar of Assumption College, and three members of the Windsor Chapter of the Assumption Alumni.

• The B'Nai Brith Scholarship . . .

Windsor Lodge 1011 of the B'Nai Brith offers an annual Scholarship to Assumption College of the value of \$50.00. Any student who resides in Windsor and has completed middle or upper school in a Windsor high school or collegiate institute is eligible to compete for this award.

The successful candidate will be selected on the basis of his matriculation record, his principal's recommendation, and the results of an oral examination to be held at Assumption College. The date of this examination will be sent to each contestant. The award shall be made by a committee of three members: the Superintendent of Windsor schools, a representative of the B'Nai Brith, and the Registrar of Assumption College. Application forms for this scholarship may be received from the principals of the various Windsor high schools and must be mailed to the Registrar, Assumption College, Windsor, Ontario, on or before June 1st of the year of application.

●The Dean F. X. Laurendeau Memorial Scholarship . . .

An annual scholarship of the value of \$100.00, in memory of the late dean of Essex, Monsignor Laurendeau, is available for the use of any high school graduate of proper academic and character qualifications. Candidates should make inquiries on or before June 1st of the year of application to the Registrar, Assumption College, Windsor, Ontario.

●The William D. Lowe Memorial Scholarship . . .

A fund has been established in memory of the late William D. Lowe, for many years principal of Windsor-Walkerville Vocational School, of the annual value of \$150.00. Any middle or upper school graduate of any school in the City of Windsor and Essex County is eligible for this scholarship. Academic qualifications and distinction in extra-curricular activities are the determining factors in the award of this scholarship. A letter of application incorporating the above information together with a brief life history of the candidate and containing two references (an academic reference from his principal and a character reference from someone other than a teacher) must be mailed to the Registrar, Assumption College, Windsor, Ontario, on or before June 1st of the year of application.

●The Elliott W. Wagoner Memorial Bursary . . .

A fund of the annual value of \$50.00 has been established to perpetuate the memory of the late Elliott W. Wagoner, a lieutenant in the U.S. Army Parachute Infantry Division, and a graduate of Assumption High School. Candidates must mail their applications to the Registrar of Assumption College on or before June 1st of the year of application, stating academic qualifications and giving two references, an academic reference (a high school teacher or principal) and a character reference (someone other than a teacher).

●The Knights of Columbus Scholarships . . .

The Ontario State Council of the Knights of Columbus has established four scholarships for competition among the Catholic students in the Province of Ontario, writing upon the Grade XIII examinations conducted by the Department of Education. A scholarship of the value of \$100.00 will be paid to the successful student during his course, but not for more than four years.

Application forms for these scholarships may be obtained from Mr. J. W. C. Tierney, State Secretary of the Knights of Columbus, Arnprior, Ontario, with whom they must be filed on or before May 1st of the year in which the examination is to be completed. All other communications about these scholarships must be addressed to the Secretary, from whom further information may be obtained on request.

●The Ellen Sullivan Scholarships . . .

Two scholarships have been established by the late Rt. Rev. Monsignor Francis T. Sullivan, an alumnus, of Chattanooga, Tenn., to perpetuate the memory of his mother. These scholarships, covering tuition, semi-private room, board, and laundry, for four years, are limited to graduates of Notre Dame High School, Chattanooga, Tennessee. Academic distinction in high school is the requirement of this scholarship. Candidates should address their applications to the Ellen Sullivan Scholarship Committee, Notre Dame High School, Chattanooga, Tenn.

●Scholarships commemorating past presidents of Assumption College

have been established by the Alumni Association. These scholarships are open to any student with the proper academic and character qualifications. Candidates should address enquiries on or before June 1st of the year of application to Rev. J. Francis Mallon, C.S.B., Secretary, Assumption College Alumni Association, Assumption College, Windsor, Ont.

Students may apply for more than one of these scholarships, but any student qualifying for more than one scholarship will receive the scholarship of his choice. The REGISTRAR of the College, FR. J. F. MURPHY, is available for consultation upon appointment at the College, telephone Windsor 3-6355.

